

# **APPENDIX B**

## *Biological Resources Assessment Materials*



**APPENDIX B-1**  
**Special-Status Plant Species Potential to Occur**

Scientific Name	Common Name	Status (Federal/State/CRPR)	Primary Habitat Associations/Life Form/ Blooming Period/Elevation Range (feet)	Potential to Occur
<i>Abronia villosa</i> var. <i>aurita</i>	chaparral sand-verbena	None/None/1B.1	Chaparral, Coastal scrub, Desert dunes; sandy/annual herb/(Jan)Mar–Sep/245–5,250	<b>Low potential to occur.</b> There is suitable soil; however, the habitat is disturbed.
<i>Acanthoscyphus parishii</i> var. <i>parishii</i>	Parish's oxytheca	None/None/4.2	Chaparral, Lower montane coniferous forest; sandy or gravelly/annual herb/June–Sep/4,000–8,530	<b>Not expected to occur.</b> The site is outside of the species' known elevation range, and there is no suitable vegetation present.
<i>Allium howellii</i> var. <i>clokeyi</i>	Mt. Pinos onion	None/None/1B.3	Great Basin scrub, Meadows and seeps (edges), Pinyon and juniper woodland/perennial bulbiferous herb/Apr–June/4,265–6,070	<b>Not expected to occur.</b> The site is outside of the species' known elevation range, and there is no suitable vegetation present.
<i>Ambrosia monogyra</i>	singlewhorl burrobrush	None/None/2B.2	Chaparral, Sonoran desert scrub; sandy/perennial shrub/Aug–Nov/30–1,640	<b>Not expected to occur.</b> No suitable vegetation present.
<i>Ambrosia pumila</i>	San Diego ambrosia	FE/None/1B.1	Chaparral, Coastal scrub, Valley and foothill grassland, Vernal pools; sandy loam or clay, often in disturbed areas, sometimes alkaline/perennial rhizomatous herb/Apr–Oct/65–1,360	<b>Low potential to occur.</b> There is suitable soil; however, the habitat is disturbed.
<i>Arenaria paludicola</i>	marsh sandwort	FE/SE/1B.1	Marshes and swamps (freshwater or brackish); sandy, openings/perennial stoloniferous herb/May–Aug/5–560	<b>Not expected to occur.</b> The site is outside of the species' known elevation range, and there is no suitable vegetation present.
<i>Artemisia palmeri</i>	San Diego sagewort	None/None/4.2	Chaparral, Coastal scrub, Riparian forest, Riparian scrub, Riparian woodland; sandy, mesic/perennial deciduous shrub/(Feb)May–Sep/45–3,000	<b>Low potential to occur.</b> There is suitable soil; however, the habitat is disturbed.
<i>Asplenium vesperinum</i>	western spleenwort	None/None/4.2	Chaparral, Cismontane woodland, Coastal scrub; rocky/perennial rhizomatous herb/Feb–June/590–3,280	<b>Not expected to occur.</b> No suitable vegetation present.
<i>Astragalus hornii</i> var. <i>hornii</i>	Horn's milk-vetch	None/None/1B.1	Meadows and seeps, Playas; lake margins, alkaline/annual herb/May–Oct/195–2,790	<b>Not expected to occur.</b> No suitable vegetation present.
<i>Berberis nevinii</i>	Nevin's barberry	FE/SE/1B.1	Chaparral, Cismontane woodland, Coastal scrub, Riparian scrub; sandy or gravelly/perennial evergreen shrub/(Feb)Mar–June/225–2,705	<b>Not expected to occur.</b> No suitable vegetation present.

## APPENDIX B-1 (Continued)

Scientific Name	Common Name	Status (Federal/State/CRPR)	Primary Habitat Associations/Life Form/ Blooming Period/Elevation Range (feet)	Potential to Occur
<i>Brodiaea filifolia</i>	thread-leaved brodiaea	FT/SE/1B.1	Chaparral (openings), Cismontane woodland, Coastal scrub, Playas, Valley and foothill grassland, Vernal pools; often clay/perennial bulbiferous herb/Mar–June/80–3,675	<b>Low potential to occur.</b> The habitat is disturbed and not suitable for this species.
<i>California macrophylla</i>	round-leaved filaree	None/None/1B.2	Cismontane woodland, Valley and foothill grassland; clay/annual herb/Mar–May/45–3,935	<b>Low potential to occur.</b> There is suitable soil; however, the habitat is disturbed.
<i>Calochortus catalinae</i>	Catalina mariposa lily	None/None/4.2	Chaparral, Cismontane woodland, Coastal scrub, Valley and foothill grassland/perennial bulbiferous herb/(Feb)Mar–June/45–2,295	<b>Low potential to occur.</b> The habitat is disturbed and not suitable for this species.
<i>Calochortus palmeri</i> var. <i>palmeri</i>	Palmer's mariposa lily	None/None/1B.2	Chaparral, Lower montane coniferous forest, Meadows and seeps; mesic/perennial bulbiferous herb/Apr–July/2,325–7,840	<b>Not expected to occur.</b> The site is outside of the species' known elevation range, and there is no suitable vegetation present.
<i>Calochortus plummerae</i>	Plummer's mariposa lily	None/None/4.2	Chaparral, Cismontane woodland, Coastal scrub, Lower montane coniferous forest, Valley and foothill grassland; granitic, rocky/perennial bulbiferous herb/May–July/325–5,575	<b>Low potential to occur.</b> The habitat is disturbed and not suitable for this species.
<i>Carex comosa</i>	bristly sedge	None/None/2B.1	Coastal prairie, Marshes and swamps (lake margins), Valley and foothill grassland/perennial rhizomatous herb/May–Sep/0–2,050	<b>Low potential to occur.</b> The habitat is disturbed and not suitable for this species.
<i>Castilleja lasiorhyncha</i>	San Bernardino Mountains owl's-clover	None/None/1B.2	Chaparral, Meadows and seeps, Pebble (Pavement) plain, Riparian woodland, Upper montane coniferous forest; mesic/annual herb (hemiparasitic)/May–Aug/4,265–7,840	<b>Not expected to occur.</b> The site is outside of the species' known elevation range, and there is no suitable vegetation present.
<i>Caulanthus simulans</i>	Payson's jewelflower	None/None/4.2	Chaparral, Coastal scrub; sandy, granitic/annual herb/(Feb)Mar–May(June)/295–7,220	<b>Not expected to occur.</b> No suitable vegetation present.
<i>Centromadia pungens</i> ssp. <i>laevis</i>	smooth tarplant	None/None/1B.1	Chenopod scrub, Meadows and seeps, Playas, Riparian woodland, Valley and foothill grassland; alkaline/annual herb/Apr–Sep/0–2,100	<b>Low potential to occur.</b> The habitat is disturbed and not suitable for this species.
<i>Chloropyron maritimum</i> ssp. <i>maritimum</i>	salt marsh bird's-beak	FE/SE/1B.2	Coastal dunes, Marshes and swamps (coastal salt)/annual herb (hemiparasitic)/May–Oct(Nov)/0–100	<b>Not expected to occur.</b> The site is outside of the species' known elevation range, and there is no suitable vegetation present.

## APPENDIX B-1 (Continued)

Scientific Name	Common Name	Status (Federal/State/CRPR)	Primary Habitat Associations/Life Form/ Blooming Period/Elevation Range (feet)	Potential to Occur
<i>Chorizanthe leptotheca</i>	Peninsular spineflower	None/None/4.2	Chaparral, Coastal scrub, Lower montane coniferous forest; alluvial fan, granitic/annual herb/May–Aug/980–6,235	<b>Not expected to occur.</b> No suitable vegetation present.
<i>Chorizanthe parryi</i> var. <i>parryi</i>	Parry's spineflower	None/None/1B.1	Chaparral, Cismontane woodland, Coastal scrub, Valley and foothill grassland; sandy or rocky, openings/annual herb/Apr–June/900–4,005	<b>Low potential to occur.</b> There is suitable soil; however, the habitat is disturbed.
<i>Chorizanthe xanti</i> var. <i>leucotheca</i>	white-bracted spineflower	None/None/1B.2	Coastal scrub (alluvial fans), Mojavean desert scrub, Pinyon and juniper woodland; sandy or gravelly/annual herb/Apr–June/980–3,935	<b>Not expected to occur.</b> No suitable vegetation present.
<i>Convolvulus simulans</i>	small-flowered morning-glory	None/None/4.2	Chaparral (openings), Coastal scrub, Valley and foothill grassland; clay, serpentinite seeps/annual herb/Mar–July/95–2,430	<b>Low potential to occur.</b> The habitat is disturbed and not suitable for this species.
<i>Cuscuta obtusiflora</i> var. <i>glandulosa</i>	Peruvian dodder	None/None/2B.2	Marshes and swamps (freshwater)/annual vine (parasitic)/July–Oct/45–920	<b>Not expected to occur.</b> The site is outside of the species' known elevation range, and there is no suitable vegetation present.
<i>Cylindropuntia californica</i> var. <i>californica</i>	snake cholla	None/None/1B.1	Chaparral, Coastal scrub/perennial stem succulent/Apr–May/95–490	<b>Not expected to occur.</b> The site is outside of the species' known elevation range, and there is no suitable vegetation present.
<i>Deinandra paniculata</i>	paniculate tarplant	None/None/4.2	Coastal scrub, Valley and foothill grassland, Vernal pools; usually vernal mesic, sometimes sandy/annual herb/(Mar)Apr–Nov/80–3,085	<b>Low potential to occur.</b> There is suitable soil; however, the habitat is disturbed.
<i>Dodecahema leptoceras</i>	slender-horned spineflower	FE/SE/1B.1	Chaparral, Cismontane woodland, Coastal scrub (alluvial fan); sandy/annual herb/Apr–June/655–2,495	<b>Not expected to occur.</b> No suitable vegetation present.
<i>Eriastrum densifolium</i> ssp. <i>sanctorum</i>	Santa Ana River woollystar	FE/SE/1B.1	Chaparral, Coastal scrub (alluvial fan); sandy or gravelly/perennial herb/Apr–Sep/295–2,000	<b>Not expected to occur.</b> No suitable vegetation present.
<i>Eriophyllum lanatum</i> var. <i>obovatum</i>	southern Sierra woolly sunflower	None/None/4.3	Lower montane coniferous forest, Upper montane coniferous forest; sandy loam/perennial herb/June–July/3,650–8,200	<b>Not expected to occur.</b> The site is outside of the species' known elevation range, and there is no suitable vegetation present.
<i>Fimbristylis thermalis</i>	hot springs fimbristylis	None/None/2B.2	Meadows and seeps (alkaline, near hot springs)/perennial rhizomatous herb/July–Sep/360–4,395	<b>Not expected to occur.</b> No suitable vegetation present.

## APPENDIX B-1 (Continued)

Scientific Name	Common Name	Status (Federal/State/CRPR)	Primary Habitat Associations/Life Form/ Blooming Period/Elevation Range (feet)	Potential to Occur
<i>Frasera neglecta</i>	pine green-gentian	None/None/4.3	Lower montane coniferous forest, Pinyon and juniper woodland, Upper montane coniferous forest/perennial herb/May–July/4,590–8,200	<b>Not expected to occur.</b> The site is outside of the species' known elevation range, and there is no suitable vegetation present.
<i>Galium californicum</i> ssp. <i>primum</i>	Alvin Meadow bedstraw	None/None/1B.2	Chaparral, Lower montane coniferous forest; granitic, sandy/perennial herb/May–July/4,425–5,575	<b>Not expected to occur.</b> The site is outside of the species' known elevation range, and there is no suitable vegetation present.
<i>Galium johnstonii</i>	Johnston's bedstraw	None/None/4.3	Chaparral, Lower montane coniferous forest, Pinyon and juniper woodland, Riparian woodland/perennial herb/June–July/4,000–7,545	<b>Not expected to occur.</b> The site is outside of the species' known elevation range, and there is no suitable vegetation present.
<i>Helianthus nuttallii</i> ssp. <i>parishii</i>	Los Angeles sunflower	None/None/1A	Marshes and swamps (coastal salt and freshwater)/perennial rhizomatous herb/Aug–Oct/30–5,005	<b>Not expected to occur.</b> No suitable vegetation present.
<i>Heuchera caespitosa</i>	urn-flowered alumroot	None/None/4.3	Cismontane woodland, Lower montane coniferous forest, Riparian forest (montane), Upper montane coniferous forest; rocky/perennial rhizomatous herb/May–Aug/3,785–8,695	<b>Not expected to occur.</b> The site is outside of the species' known elevation range.
<i>Heuchera parishii</i>	Parish's alumroot	None/None/1B.3	Alpine boulder and rock field, Lower montane coniferous forest, Subalpine coniferous forest, Upper montane coniferous forest; rocky, sometimes carbonate/perennial rhizomatous herb/June–Aug/4,920–12,465	<b>Not expected to occur.</b> The site is outside of the species' known elevation range, and there is no suitable vegetation present.
<i>Horkelia cuneata</i> var. <i>puberula</i>	mesa horkelia	None/None/1B.1	Chaparral (maritime), Cismontane woodland, Coastal scrub; sandy or gravelly/perennial herb/Feb–July(Sep)/225–2,655	<b>Not expected to occur.</b> No suitable vegetation present.
<i>Hulsea vestita</i> ssp. <i>parryi</i>	Parry's sunflower	None/None/4.3	Lower montane coniferous forest, Pinyon and juniper woodland, Upper montane coniferous forest; granitic or carbonate, rocky, openings/perennial herb/Apr–Aug/4,490–9,500	<b>Not expected to occur.</b> The site is outside of the species' known elevation range, and there is no suitable vegetation present.
<i>Imperata brevifolia</i>	California satintail	None/None/2B.1	Chaparral, Coastal scrub, Mojavean desert scrub, Meadows and seeps (often alkali), Riparian scrub; mesic/perennial rhizomatous herb/Sep–May/0–3,985	<b>Not expected to occur.</b> No suitable vegetation present.

## APPENDIX B-1 (Continued)

Scientific Name	Common Name	Status (Federal/State/CRPR)	Primary Habitat Associations/Life Form/ Blooming Period/Elevation Range (feet)	Potential to Occur
<i>Ivesia argyrocoma</i> var. <i>argyrocoma</i>	silver-haired ivesia	None/None/1B.2	Meadows and seeps (alkaline), Pebble (Pavement) plain, Upper montane coniferous forest/perennial herb/June–Aug/4,795–9,710	<b>Not expected to occur.</b> The site is outside of the species' known elevation range, and there is no suitable vegetation present.
<i>Juglans californica</i>	Southern California black walnut	None/None/4.2	Chaparral, Cismontane woodland, Coastal scrub, Riparian woodland; alluvial/perennial deciduous tree/Mar–Aug/160–2,955	<b>Not expected to occur.</b> No suitable vegetation present.
<i>Juncus duranii</i>	Duran's rush	None/None/4.3	Lower montane coniferous forest, Meadows and seeps, Upper montane coniferous forest; mesic/perennial rhizomatous herb/July–Aug/5,800–9,200	<b>Not expected to occur.</b> The site is outside of the species' known elevation range, and there is no suitable vegetation present.
<i>Lasthenia glabrata</i> ssp. <i>coulteri</i>	Coulter's goldfields	None/None/1B.1	Marshes and swamps (coastal salt), Playas, Vernal pools/annual herb/Feb–June/0–4,005	<b>Not expected to occur.</b> No suitable vegetation present.
<i>Lepidium virginicum</i> var. <i>robinsonii</i>	Robinson's pepper-grass	None/None/4.3	Chaparral, Coastal scrub/annual herb/Jan–July/0–2,905	<b>Not expected to occur.</b> No suitable vegetation present.
<i>Lilium humboldtii</i> ssp. <i>ocellatum</i>	ocellated Humboldt lily	None/None/4.2	Chaparral, Cismontane woodland, Coastal scrub, Lower montane coniferous forest, Riparian woodland; openings/perennial bulbiferous herb/Mar–July(Aug)/95–5,905	<b>Not expected to occur.</b> No suitable vegetation present.
<i>Lilium parryi</i>	lemon lily	None/None/1B.2	Lower montane coniferous forest, Meadows and seeps, Riparian forest, Upper montane coniferous forest; mesic/perennial bulbiferous herb/July–Aug/4,000–9,005	<b>Not expected to occur.</b> The site is outside of the species' known elevation range.
<i>Lycium parishii</i>	Parish's desert-thorn	None/None/2B.3	Coastal scrub, Sonoran desert scrub/perennial shrub/Mar–Apr/440–3,280	<b>Not expected to occur.</b> No suitable vegetation present.
<i>Malacothamnus parishii</i>	Parish's bush-mallow	None/None/1A	Chaparral, Coastal scrub/perennial deciduous shrub/June–July/1,000–1,495	<b>Not expected to occur.</b> No suitable vegetation present.
<i>Monardella macrantha</i> ssp. <i>hallii</i>	Hall's monardella	None/None/1B.3	Broadleafed upland forest, Chaparral, Cismontane woodland, Lower montane coniferous forest, Valley and foothill grassland/perennial rhizomatous herb/June–Oct/2,395–7,200	<b>Not expected to occur.</b> The site is outside of the species' known elevation range.
<i>Monardella pringlei</i>	Pringle's monardella	None/None/1A	Coastal scrub (sandy)/annual herb/May–June/980–1,310	<b>Not expected to occur.</b> No suitable vegetation present.

## APPENDIX B-1 (Continued)

Scientific Name	Common Name	Status (Federal/State/CRPR)	Primary Habitat Associations/Life Form/ Blooming Period/Elevation Range (feet)	Potential to Occur
<i>Monardella saxicola</i>	rock monardella	None/None/4.2	Closed-cone coniferous forest, Chaparral, Lower montane coniferous forest; rocky, usually serpentinite/perennial rhizomatous herb/June–Sep/1,640–5,905	<b>Not expected to occur.</b> The site is outside of the species' known elevation range, and there is no suitable vegetation present.
<i>Muhlenbergia californica</i>	California muhly	None/None/4.3	Chaparral, Coastal scrub, Lower montane coniferous forest, Meadows and seeps; mesic, seeps and streambanks/perennial rhizomatous herb/June–Sep/325–6,560	<b>Not expected to occur.</b> No suitable vegetation present.
<i>Myosurus minimus</i> ssp. <i>apus</i>	little mousetail	None/None/3.1	Valley and foothill grassland, Vernal pools (alkaline)/annual herb/Mar–June/65–2,100	<b>Low potential to occur.</b> The habitat is disturbed and not suitable for this species.
<i>Nasturtium gambelii</i>	Gambel's water cress	FE/ST/1B.1	Marshes and swamps (freshwater or brackish)/perennial rhizomatous herb/Apr–Oct/15–1,085	<b>Not expected to occur.</b> No suitable vegetation present.
<i>Opuntia basilaris</i> var. <i>brachyclada</i>	short-joint beavertail	None/None/1B.2	Chaparral, Joshua tree woodland, Mojavean desert scrub, Pinyon and juniper woodland/perennial stem succulent/Apr–June(Aug)/1,390–5,905	<b>Not expected to occur.</b> The site is outside of the species' known elevation range, and there is no suitable vegetation present.
<i>Perideridia parishii</i> ssp. <i>parishii</i>	Parish's yampah	None/None/2B.2	Lower montane coniferous forest, Meadows and seeps, Upper montane coniferous forest/perennial herb/June–Aug/4,805–9,845	<b>Not expected to occur.</b> The site is outside of the species' known elevation range, and there is no suitable vegetation present.
<i>Phacelia mohavensis</i>	Mojave phacelia	None/None/4.3	Cismontane woodland, Lower montane coniferous forest, Meadows and seeps, Pinyon and juniper woodland; sandy or gravelly/annual herb/Apr–Aug/4,590–8,200	<b>Not expected to occur.</b> The site is outside of the species' known elevation range, and there is no suitable vegetation present.
<i>Phacelia stellaris</i>	Brand's star phacelia	None/None/1B.1	Coastal dunes, Coastal scrub/annual herb/Mar–June/0–1,310	<b>Not expected to occur.</b> No suitable vegetation present.
<i>Pickeringia montana</i> var. <i>tomentosa</i>	woolly chaparral-pea	None/None/4.3	Chaparral; Gabbroic, granitic, clay/evergreen shrub/May–Aug/0–5,575	<b>Not expected to occur.</b> No suitable vegetation present.
<i>Piperia leptopetala</i>	narrow-petaled rein orchid	None/None/4.3	Cismontane woodland, Lower montane coniferous forest, Upper montane coniferous forest/perennial herb/May–July/1,245–7,300	<b>Not expected to occur.</b> The site is outside of the species' known elevation range, and there is no suitable vegetation present.

## APPENDIX B-1 (Continued)

Scientific Name	Common Name	Status (Federal/State/CRPR)	Primary Habitat Associations/Life Form/ Blooming Period/Elevation Range (feet)	Potential to Occur
<i>Ribes divaricatum</i> var. <i>parishii</i>	Parish's gooseberry	None/None/1A	Riparian woodland/perennial deciduous shrub/Feb–Apr/210–985	<b>Not expected to occur.</b> The site is outside of the species' known elevation range, and there is no suitable vegetation present.
<i>Romneya coulteri</i>	Coulter's matilija poppy	None/None/4.2	Chaparral, Coastal scrub; Often in burns/perennial rhizomatous herb/Mar–July/65–3,935	<b>Not expected to occur.</b> No suitable vegetation present.
<i>Schoenus nigricans</i>	black bog-rush	None/None/2B.2	Marshes and swamps (often alkaline)/perennial herb/Aug–Sep/490–6,560	<b>Not expected to occur.</b> No suitable vegetation present.
<i>Senecio aphanactis</i>	chaparral ragwort	None/None/2B.2	Chaparral, Cismontane woodland, Coastal scrub; sometimes alkaline/annual herb/Jan–Apr(May)/45–2,625	<b>Not expected to occur.</b> No suitable vegetation present.
<i>Senecio astephanus</i>	San Gabriel ragwort	None/None/4.3	Coastal bluff scrub, Chaparral; rocky slopes/perennial herb/May–July/1,310–4,920	<b>Not expected to occur.</b> The site is outside of the species' known elevation range, and there is no suitable vegetation present.
<i>Sidalcea malviflora</i> ssp. <i>dolosa</i>	Bear Valley checkerbloom	None/None/1B.2	Lower montane coniferous forest (meadows and seeps), Meadows and seeps, Riparian woodland, Upper montane coniferous forest (meadows and seeps)/perennial herb/May–Aug/4,900–8,810	<b>Not expected to occur.</b> The site is outside of the species' known elevation range, and there is no suitable vegetation present.
<i>Sidalcea neomexicana</i>	salt spring checkerbloom	None/None/2B.2	Chaparral, Coastal scrub, Lower montane coniferous forest, Mojavean desert scrub, Playas; alkaline, mesic/perennial herb/Mar–June/45–5,020	<b>Not expected to occur.</b> No suitable vegetation present.
<i>Sidothea caryophylloides</i>	chickweed oxytheca	None/None/4.3	Lower montane coniferous forest (sandy)/annual herb/July–Sep(Oct)/3,650–8,530	<b>Not expected to occur.</b> The site is outside of the species' known elevation range, and there is no suitable vegetation present.
<i>Sphenopholis obtusata</i>	prairie wedge grass	None/None/2B.2	Cismontane woodland, Meadows and seeps; mesic/perennial herb/Apr–July/980–6,560	<b>Not expected to occur.</b> No suitable vegetation present.
<i>Streptanthus bernardinus</i>	Laguna Mountains jewelflower	None/None/4.3	Chaparral, Lower montane coniferous forest/perennial herb/May–Aug/2,195–8,200	<b>Not expected to occur.</b> The site is outside of the species' known elevation range, and there is no suitable vegetation present.

## APPENDIX B-1 (Continued)

Scientific Name	Common Name	Status (Federal/State/CRPR)	Primary Habitat Associations/Life Form/ Blooming Period/Elevation Range (feet)	Potential to Occur
<i>Streptanthus campestris</i>	southern jewelflower	None/None/1B.3	Chaparral, Lower montane coniferous forest, Pinyon and juniper woodland; rocky/perennial herb/(Apr)May–July/2,950–7,545	<b>Not expected to occur.</b> The site is outside of the species' known elevation range, and there is no suitable vegetation present.
<i>Symphotrichum defoliatum</i>	San Bernardino aster	None/None/1B.2	Cismontane woodland, Coastal scrub, Lower montane coniferous forest, Meadows and seeps, Marshes and swamps, Valley and foothill grassland (vernally mesic); near ditches, streams, springs/perennial rhizomatous herb/July–Nov/5–6,695	<b>Low potential to occur.</b> The habitat is disturbed and not suitable for this species.
<i>Thelypteris puberula</i> var. <i>sonorensis</i>	Sonoran maiden fern	None/None/2B.2	Meadows and seeps (seeps and streams)/perennial rhizomatous herb/Jan–Sep/160–2,000	<b>Not expected to occur.</b> No suitable vegetation present.

**Status Legend**

**Federal**

FT: federally threatened

FE: federally endangered

**State**

ST: state threatened

SE: state endangered

**CRPR = California Rare Plant Rank**

CRPR 1A: Plants Presumed Extirpated in California and Either Rare or Extinct Elsewhere

CRPR 1B: Plants Rare, Threatened, or Endangered in California and Elsewhere

CRPR 2A: Plants Presumed Extirpated in California, But Common Elsewhere

CRPR 2B: Plants Rare, Threatened, or Endangered in California, But More Common Elsewhere

CRPR 3: Plants About Which More Information is Needed – A Review List

CRPR 4: Plants of Limited Distribution – A Watch List

- .1 Seriously threatened in California (over 80% of occurrences threatened/high degree and immediacy of threat)
- .2 Moderately threatened in California (20%–80% occurrences threatened/moderate degree and immediacy of threat)
- .3 Not very threatened in California (<20% of occurrences threatened/low degree and immediacy of threat or no current threats known)

## APPENDIX B-2

### Special-Status Wildlife Species Potential to Occur

Scientific Name	Common Name	Status (Federal/State)	Habitat	Potential to Occur
<i>Amphibians</i>				
<i>Batrachoseps gabrieli</i>	San Gabriel slender salamander	None/None	Talus slopes in forested areas, often near streams	<b>Not expected to occur.</b> No suitable vegetation present.
<i>Rana draytonii</i>	California red-legged frog	FT/SSC	Lowland streams, wetlands, riparian woodlands, livestock ponds; dense, shrubby or emergent vegetation associated with deep, still or slow-moving water; uses adjacent uplands	<b>Not expected to occur.</b> No suitable vegetation present.
<i>Rana muscosa</i>	mountain yellow-legged frog	FE/SE, WL	Lakes, ponds, meadow streams, isolated pools, and open riverbanks; rocky canyons in narrow canyons and in chaparral	<b>Not expected to occur.</b> No suitable vegetation present.
<i>Spea hammondi</i>	western spadefoot	None/SSC	Primarily grassland and vernal pools, but also in ephemeral wetlands that persist at least 3 weeks in chaparral, coastal scrub, valley-foothill woodlands, pastures, and other agriculture	<b>Not expected to occur.</b> No suitable vegetation present.
<i>Reptiles</i>				
<i>Actinemys marmorata</i>	western pond turtle	None/SSC	Slow-moving permanent or intermittent streams, ponds, small lakes, and reservoirs with emergent basking sites; adjacent uplands used for nesting and during winter	<b>Not expected to occur.</b> No suitable vegetation present.
<i>Anniella stebbinsi</i>	southern California legless lizard	None/SSC	Coastal dunes, stabilized dunes, beaches, dry washes, valley-foothill, chaparral, and scrubs; pine, oak, and riparian woodlands; associated with sparse vegetation and moist sandy or loose, loamy soils	<b>Not expected to occur.</b> No suitable vegetation present.
<i>Arizona elegans occidentalis</i>	California glossy snake	None/SSC	Commonly occurs in desert regions throughout Southern California. Prefers open sandy areas with scattered brush. Also found in rocky areas.	<b>Not expected to occur.</b> No suitable vegetation present.
<i>Aspidoscelis hyperythra</i>	orange-throated whiptail	None/WL	Low-elevation coastal scrub, chaparral, and valley-foothill hardwood	<b>Not expected to occur.</b> No suitable vegetation present.
<i>Aspidoscelis tigris stejnegeri</i>	San Diegan tiger whiptail	None/SSC	Hot and dry areas with sparse foliage, including chaparral, woodland, and riparian areas.	<b>Not expected to occur.</b> No suitable vegetation present.
<i>Charina umbratica</i>	southern rubber boa	None/ST	Montane oak-conifer and mixed-conifer forests, montane chaparral, wet meadows; usually in vicinity of streams or wet meadows	<b>Not expected to occur.</b> No suitable vegetation present.
<i>Coleonyx variegatus abbotti</i>	San Diego banded gecko	None/SSC	Rocky areas within coastal scrub and chaparral	<b>Not expected to occur.</b> No suitable vegetation present.

## APPENDIX B-2 (Continued)

Scientific Name	Common Name	Status (Federal/State)	Habitat	Potential to Occur
<i>Crotalus ruber</i>	red diamondback rattlesnake	None/SSC	Coastal scrub, chaparral, oak and pine woodlands, rocky grasslands, cultivated areas, and desert flats	<b>Low potential to occur.</b> There is suitable habitat, however the site is disturbed.
<i>Diadophis punctatus modestus</i>	San Bernardino ring-necked snake	None/None	Moist habitats including wet meadows, rocky hillsides, gardens, farmland grassland, chaparral, mixed-conifer forest, and woodland	<b>Not expected to occur.</b> No suitable vegetation present.
<i>Phrynosoma blainvillii</i>	Blainville's horned lizard	None/SSC	Open areas of sandy soil in valleys, foothills, and semi-arid mountains including coastal scrub, chaparral, valley-foothill hardwood, conifer, riparian, pine-cypress, juniper, and annual grassland habitats	<b>Not expected to occur.</b> No suitable vegetation present.
<i>Salvadora hexalepis virgultea</i>	coast patch-nosed snake	None/SSC	Brushy or shrubby vegetation; requires small mammal burrows for refuge and overwintering sites	<b>Not expected to occur.</b> No suitable vegetation present.
<i>Thamnophis hammondi</i>	two-striped gartersnake	None/SSC	Streams, creeks, pools, streams with rocky beds, ponds, lakes, vernal pools	<b>Not expected to occur.</b> No suitable vegetation present.
<i>Birds</i>				
<i>Accipiter cooperii</i> (nesting)	Cooper's hawk	None/WL	Nests and forages in dense stands of live oak, riparian woodlands, or other woodland habitats often near water	<b>Not expected to occur.</b> No suitable vegetation present.
<i>Agelaius tricolor</i> (nesting colony)	tricolored blackbird	BCC/PSE, SSC	Nests near freshwater, emergent wetland with cattails or tules, but also in Himalayan blackberry; forages in grasslands, woodland, and agriculture	<b>Not expected to occur.</b> No suitable vegetation present.
<i>Aimophila ruficeps canescens</i>	Southern California rufous-crowned sparrow	None/WL	Nests and forages in open coastal scrub and chaparral with low cover of scattered scrub interspersed with rocky and grassy patches	<b>Not expected to occur.</b> No suitable vegetation present.
<i>Artemisiospiza belli belli</i>	Bell's sage sparrow	BCC/WL	Nests and forages in coastal scrub and dry chaparral; typically in large, unfragmented patches dominated by chamise; nests in more dense patches but uses more open habitat in winter	<b>Not expected to occur.</b> No suitable vegetation present.
<i>Athene cunicularia</i> (burrow sites & some wintering sites)	burrowing owl	BCC/SSC	Nests and forages in grassland, open scrub, and agriculture, particularly with ground squirrel burrows	<b>Not expected to occur.</b> No suitable vegetation present.
<i>Baeolophus inornatus</i> (nesting)	oak titmouse	BCC/None	Nests and forages in oak woodlands; also open pine forest, pinyon woodland, and riparian and chaparral with oak	<b>Not expected to occur.</b> No suitable vegetation present.
<i>Buteo regalis</i> (wintering)	ferruginous hawk	BCC/WL	Winters and forages in open, dry country, grasslands, open fields, agriculture	<b>Not expected to occur.</b> No suitable vegetation present.

## APPENDIX B-2 (Continued)

Scientific Name	Common Name	Status (Federal/State)	Habitat	Potential to Occur
<i>Buteo swainsoni</i> (nesting)	Swainson's hawk	BCC/ST	Nests in open woodland and savanna, riparian, and in isolated large trees; forages in nearby grasslands and agricultural areas such as wheat and alfalfa fields and pasture	Low potential to forage; not expected to nest. There is suitable perching habitat; however, the site is disturbed and not suitable habitat for nesting.
<i>Coccyzus americanus occidentalis</i> (nesting)	western yellow-billed cuckoo	FT, BCC/SE	Nests in dense, wide riparian woodlands and forest with well-developed understories	<b>Not expected to occur.</b> No suitable vegetation present.
<i>Empidonax traillii eximius</i> (nesting)	southwestern willow flycatcher	FE/SE	Nests in dense riparian habitats along streams, reservoirs, or wetlands; uses variety of riparian and shrubland habitats during migration	<b>Not expected to occur.</b> No suitable vegetation present.
<i>Eremophila alpestris actia</i>	California horned lark	None/WL	Nests and forages in grasslands, disturbed lands, agriculture, and beaches; nests in alpine fell fields of the Sierra Nevada	<b>Not expected to occur.</b> No suitable vegetation present.
<i>Falco columbarius</i> (wintering)	merlin	None/WL	Forages in semi-open areas, including coastline, grassland, agriculture, savanna, woodland, lakes, and wetlands	<b>Not expected to occur.</b> No suitable vegetation present.
<i>Haliaeetus leucocephalus</i> (nesting & wintering)	bald eagle	FDL, BCC/SE, FP	Nests in forested areas adjacent to large bodies of water, including seacoasts, rivers, swamps, large lakes; winters near large bodies of water in lowlands and mountains	<b>Not expected to occur.</b> No suitable vegetation present.
<i>Icteria virens</i> (nesting)	yellow-breasted chat	None/SSC	Nests and forages in dense, relatively wide riparian woodlands and thickets of willows, vine tangles, and dense brush	<b>Not expected to occur.</b> No suitable vegetation present.
<i>Lanius ludovicianus</i> (nesting)	loggerhead shrike	BCC/SSC	Nests and forages in open habitats with scattered shrubs, trees, or other perches	<b>Not expected to occur.</b> No suitable vegetation present.
<i>Laterallus jamaicensis coturniculus</i>	California black rail	BCC/ST, FP	Tidal marshes, shallow freshwater margins, wet meadows, and flooded grassy vegetation; suitable habitats are often supplied by canal leakage in Sierra Nevada foothill populations	<b>Not expected to occur.</b> No suitable vegetation present.
<i>Polioptila californica californica</i>	coastal California gnatcatcher	FT/SSC	Nests and forages in various sage scrub communities, often dominated by California sagebrush and buckwheat; generally avoids nesting in areas with a slope of greater than 40%; majority of nesting at less than 1,000 feet above mean sea level	<b>Not expected to occur.</b> No suitable vegetation present.
<i>Setophaga petechia</i> (nesting)	yellow warbler	BCC/SSC	Nests and forages in riparian and oak woodlands, montane chaparral, open ponderosa pine, and mixed-conifer habitats	<b>Not expected to occur.</b> No suitable vegetation present.

## APPENDIX B-2 (Continued)

Scientific Name	Common Name	Status (Federal/State)	Habitat	Potential to Occur
<i>Spinus lawrencei</i> (nesting)	Lawrence's goldfinch	BCC/None	Nests and forages in open oak, arid woodlands, and chaparral near water	<b>Not expected to occur.</b> No suitable vegetation present.
<i>Vireo bellii pusillus</i> (nesting)	least Bell's vireo	FE/SE	Nests and forages in low, dense riparian thickets along water or along dry parts of intermittent streams; forages in riparian and adjacent shrubland late in nesting season	<b>Not expected to occur.</b> No suitable vegetation present.
<i>Fishes</i>				
<i>Catostomus santaanae</i>	Santa Ana sucker	FT/None	Small, shallow, cool, clear streams less than 7 meters (23 feet) in width and a few centimeters to more than a meter (1.5 inches to more than 3 feet) in depth; substrates are generally coarse gravel, rubble, and boulder	<b>Not expected to occur.</b> No suitable waters present.
<i>Gila orcuttii</i>	arroyo chub	None/SSC	Warm, fluctuating streams with slow-moving or backwater sections of warm to cool streams at depths >40 centimeters (16 inches); substrates of sand or mud	<b>Not expected to occur.</b> No suitable waters present.
<i>Rhinichthys osculus</i> ssp. 3	Santa Ana speckled dace	None/SSC	Headwaters of the Santa Ana and San Gabriel Rivers; may be extirpated from the Los Angeles River system	<b>Not expected to occur.</b> No suitable waters present.
<i>Mammals</i>				
<i>Antrozous pallidus</i>	pallid bat	None/SSC	Grasslands, shrublands, woodlands, forests; most common in open, dry habitats with rocky outcrops for roosting, but also roosts in man-made structures and trees	<b>Low potential to occur.</b> There is suitable roosting habitat; however, the site is disturbed.
<i>Chaetodipus fallax fallax</i>	northwestern San Diego pocket mouse	None/SSC	Coastal scrub, mixed chaparral, sagebrush, desert wash, desert scrub, desert succulent shrub, pinyon-juniper, and annual grassland	<b>Not expected to occur.</b> No suitable vegetation present.
<i>Chaetodipus fallax pallidus</i>	pallid San Diego pocket mouse	None/SSC	Desert wash, desert scrub, desert succulent scrub, and pinyon-juniper woodland	<b>Not expected to occur.</b> No suitable vegetation present.
<i>Dipodomys merriami parvus</i>	San Bernardino kangaroo rat	FE/SSC	Sparse scrub habitat, alluvial scrub/coastal scrub habitats on gravelly and sandy soils near river and stream terraces	<b>Not expected to occur.</b> No suitable vegetation present.
<i>Dipodomys stephensi</i>	Stephens' kangaroo rat	FE/ST	Annual and perennial grassland habitats, coastal scrub or sagebrush with sparse canopy cover, or in disturbed areas	<b>Not expected to occur.</b> No suitable vegetation present.
<i>Eumops perotis californicus</i>	western mastiff bat	None/SSC	Chaparral, coastal and desert scrub, coniferous and deciduous forest and woodland; roosts in crevices in rocky canyons and cliffs where the canyon or cliff is vertical or nearly vertical, trees, and tunnels	<b>Not expected to occur.</b> No suitable vegetation present.

## APPENDIX B-2 (Continued)

Scientific Name	Common Name	Status (Federal/State)	Habitat	Potential to Occur
<i>Lasiurus xanthinus</i>	western yellow bat	None/SSC	Valley–foothill riparian, desert riparian, desert wash, and palm oasis habitats; below 2,000 feet above mean sea level; roosts in riparian and palms	<b>Not expected to occur.</b> No suitable vegetation present.
<i>Lepus californicus bennettii</i>	San Diego black-tailed jackrabbit	None/SSC	Arid habitats with open ground; grasslands, coastal scrub, agriculture, disturbed areas, and rangelands	<b>Not expected to occur.</b> No suitable vegetation present.
<i>Neotoma lepida intermedia</i>	San Diego desert woodrat	None/SSC	Coastal scrub, desert scrub, chaparral, cacti, rocky areas	<b>Not expected to occur.</b> No suitable vegetation present.
<i>Nyctinomops femorosaccus</i>	pocketed free-tailed bat	None/SSC	Pinyon–juniper woodlands, desert scrub, desert succulent shrub, desert riparian, desert wash, alkali desert scrub, Joshua tree, and palm oases; roosts in high cliffs or rock outcrops with drop-offs, caverns, and buildings	<b>Not expected to occur.</b> No suitable vegetation present.
<i>Onychomys torridus ramona</i>	southern grasshopper mouse	None/SSC	Grassland and sparse coastal scrub	<b>Not expected to occur.</b> No suitable vegetation present.
<i>Perognathus alticolus alticolus</i>	white-eared pocket mouse	None/SSC	Arid ponderosa pine communities	<b>Not expected to occur.</b> No suitable vegetation present.
<i>Perognathus longimembris brevinasus</i>	Los Angeles pocket mouse	None/SSC	Lower-elevation grassland, alluvial sage scrub, and coastal scrub	<b>Not expected to occur.</b> No suitable vegetation present.
<i>Taxidea taxus</i>	American badger	None/SSC	Dry, open, treeless areas; grasslands, coastal scrub, agriculture, and pastures, especially with friable soils	<b>Low potential to occur.</b> There is suitable habitat; however, the site is disturbed.
<i>Invertebrates</i>				
<i>Carolella busckana</i>	Busck's gallmoth	None/None	Coastal scrub dunes	<b>Not expected to occur.</b> No suitable vegetation present.
<i>Ceratochrysis longimala</i>	Desert cuckoo wasp	None/None	Little information is available specific to this species. <i>Ceratochrysis</i> genus wasps are generally solitary parasitoids of other Hymenoptera species that can be found throughout California and North America.	<b>Not expected to occur.</b> No suitable vegetation present.
<i>Cicindela tranquebarica viridissima</i>	greenest tiger beetle	None/None	Inhabits the woodlands adjacent to the Santa Ana River basin	<b>Not expected to occur.</b> No suitable vegetation present.

## APPENDIX B-2 (Continued)

Scientific Name	Common Name	Status (Federal/State)	Habitat	Potential to Occur
<i>Euchloe hyantis andrewsi</i>	Andrew's marble butterfly	None/None	Yellow pine forest; host plants are Laguna Mountains jewel-flower ( <i>Streptanthus bernaardinus</i> ) and Holboell's rockcress ( <i>Boechera pinetorum</i> ( <i>Arabis holboellii</i> var. <i>pinetorum</i> ))	<b>Not expected to occur.</b> No suitable vegetation present.
<i>Rhaphiomidas terminatus abdominalis</i>	Delhi Sands flower-loving fly	FE/None	Delhi fine sandy soils and dunes, scrub and ruderal vegetation in the sand verbena series with <50% cover	<b>Moderate potential to occur.</b> There is suitable habitat, including plant species <i>Croton californicus</i> and <i>Heterotheca grandiflora</i> . There is a preserve 500 feet northeast of the project site.
<i>Streptocephalus woottoni</i>	Riverside fairy shrimp	FE/None	Vernal pools, non-vegetated ephemeral pools	<b>Not expected to occur.</b> No suitable vegetation present.

### Status Legend

#### Federal

FE: federally endangered

FT: federally threatened

FDL: federally delisted

BCC: U.S. Fish and Wildlife Service Bird of Conservation Concern

#### State

SSC: California Species of Special Concern

FP: California Fully Protected Species

WL: California Watch List Species

SE: state endangered

ST: state threatened

PSE: proposed state endangered